Micro Hi-Fi System

MCM7 • MCM8

AUDIO

STOP!

Need help? Call us!
Philips representatives are ready to help you with any questions about your new product. We can guide you through Connections, First-time Setup, or any of the Features. We want you to start enjoying your new product right away!

CALL US BEFORE YOU CONSIDER RETURNING THE PRODUCT!

1-800-531-0039
or
Visit us on the web at www.philips.com

IMPORTANT!
Return your Warranty Registration Card within 10 days
SEE WHY INSIDE

MCM7

MCM8

PHILIPS

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

- *Once your Philips purchase is registered, you're eligible to receive all the privileges of owning a Philips product.*

- *So complete and return the Warranty Registration Card enclosed with your purchase at once, and take advantage of these important benefits.*

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your Philips warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of owner-ship in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

Know these safety *symbols*

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

For Customer Use
Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

MAC5097

PHILIPS

Congratulations on your purchase, and welcome to the "family!"

Dear Philips product owner:

Thank you for your confidence in Philips. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the Philips "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome – and thanks for investing in a Philips product.

Sincerely,

Lawrence J. Blanford

Lawrence J. Blanford
President and Chief Executive Officer

P.S. Remember, to get the most from your Philips product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

IMPORTANT SAFETY INSTRUCTIONS

1. **Read these instructions.**

2. **Keep these instructions.**

3. **Heed all warnings.**

4. **Follow all instructions.**

5. **Do not use this apparatus near water.**

6. **Clean only with dry cloth.**

7. **Do not block any ventilation openings. Install in accordance with the manufacturer´s instructions.**

8. **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. **Do not defeat the safety purpose** of the polarized or grounding-type plug.
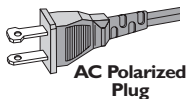
   AC Polarized Plug

   A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. **Only use attachments/accessories** specified by the manufacturer.

12. **Use only with the cart,** stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. **Unplug this apparatus** during lightning storms or when unused for long periods of time.

14. **Refer all servicing** to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. **Battery usage CAUTION** – To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:

● Install **all** batteries correctly, **+** and **-** as marked on the unit.

● Do not mix batteries (**old** and **new** or **carbon** and **alkaline**, etc.).

● Remove batteries when the unit is not used for a long time.

16. **Apparatus shall not be exposed to dripping or splashing.**

17. **Do not place any sources of danger on the apparatus** (e.g. liquid filled objects, lighted candles).

18. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. **For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance : www.eiae.org.**

Class II equipment symbol
This symbol indicates that the unit has a double insulation system

EL 6475-E005: 04/01

Canada

English:

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Français:

Cet appareil numérique n'emet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Class B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

This warning label is located on the rearside and inside this laser product.

CAUTION:	INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.
DANGER:	INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.
VARO!	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINANAKYMATTOMAALLE LASERSATEILYLLE. ALA KATSO SATEESEEN.
VARNING!	OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. OCH SPARREN AR URKOPPLAD. BETRAKTA EJ STRÅLEN.

or

DANGER - Invisible laser radiation when open. AVOID DIRECT EXPOSURE TO BEAM.

CAUTION
Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

ATTENTION
L'utilisation des commandes ou réglages ou le non-respect des procédures ci-incluses peuvent se traduire par une exposition dangereuse à l'irradiation.

ATENCIÓN
El uso de mando o ajustes o la ejecucción de métodos que no sean los aquí descritos puede ocasionar peligro de exposición a radiación.

Energy Star

As an ENERGY STAR® Partner, Philips has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

This system complies with the FCC rules, Part 15 and with 21 CFR 1040.10. Operation is subject to the following two conditions:
– This device may not cause harmful interference, and
– This device must accept any interference received, including interference that may cause undesired operation.

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Contents

Refer to the type plate on the rear or bottom of the system for identification and supply ratings.

Supplied accessories
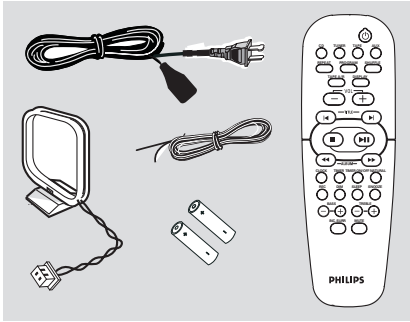
– Remote control and two AA batteries.
– AM loop antenna
– FM wire antenna
– AC power cord

Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.)

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Care and safety information

Avoid high temperatures, moisture, water and dust

– Do not expose the system, batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight.) Always keep the disc tray closed to avoid dust on the lens.

Avoid condensation problem

– The lens may cloud over when the system is suddenly moved from cold to warm surroundings, making it impossible to play a disc. Leave the system in the warm environment until the moisture evaporates.

Do not block the vents

– In a cabinet, allows about 10cm (4 inches) of free space all around the system for adequate ventilation.

Care of disc

– To clean a CD, wipe it in a straight line from the center towards the edge using a soft, lint-free cloth. A cleaning agent may damage the disc!
– Write only on the printed side of a CDR(W) and only with a soft felt-tipped pen.
– Handle the disc by its edge, do not touch the surface.

Care of the cabinet

– Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Finding a suitable location

– Place the system on a flat, hard, and stable surface.

Built-in safety circuit

– Under extreme conditions, this system may switch to standby mode automatically. If this happens, let the system cool down before reusing it.

Cleaning the Heads and the Tape Paths

– To ensure good recording and playback quality, clean the heads, the capstan(s), and pressure roller(s) after every 50 hours of tape operation.
– Use a cotton swab slightly moistened with cleaning fluid or alcohol.
– You also can clean the heads by playing a cleaning tape once.

Functional Overview
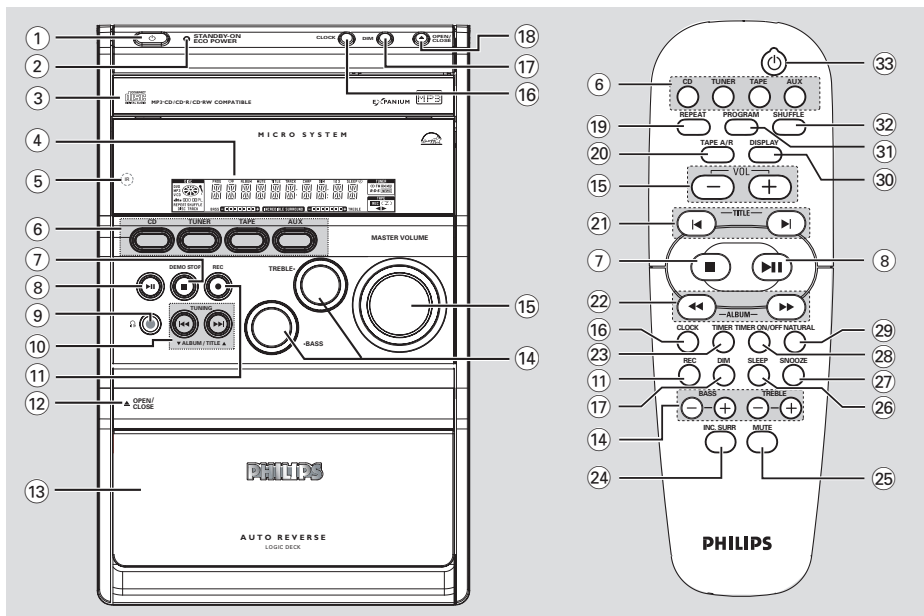
Main unit and remote control

1 STANDBY ON ⏻
– Switches to Eco Power standby mode or turns on the system.
– *Switches to standby mode.

2 ECO POWER indicator
– Lights up when the system is in Eco Power standby mode.

3 Disc tray

4 Display screen

5 iR
– Point the remote control towards this sensor.

6 CD / TUNER / TAPE /AUX
– Selects the relevant active mode.
– CD: switches to CD mode.
– TUNER: toggles between FM and AM band.
– TAPE: switches to Tape mode.
– AUX: toggles between AUX and CDR mode.

7 DEMO STOP ■
– Exits an operation.
– CD: stops playback or clears a program.
– TUNER: *erases a preset radio station.
– TAPE: stops playback or recording.

  (only on the main unit)
– *Turns on/off the demonstration mode.

8 ▶ ❚❚
– CD: starts/pauses playback.
– TAPE: starts playback or selects other side of the tape during playback.
– CLOCK: toggles between hour and minutes setting.

  (only on the main unit)
– TUNER: *enters Plug & Play mode and/or starts preset radio station installation.

9 🎧
– Plug in the headphones jack. The speakers output will be cancelled.

---

* = Press and hold the button for more than two seconds.

⑩ **TUNING |◀◀ ▶▶| (▼ALBUM/TITLE▲)**
– **CD:** *searches backward/forward or selects a track.
– **MP3:** *selects an album or selects a title (track.)
– **TUNER:** tunes the radio frequency up/down.
– **TAPE:** rewind or fast forward.
– **CLOCK:** sets the hours or minutes.

⑪ **REC**
– *starts recording on a tape.

⑫ **OPEN/CLOSE**
– Opens/closes the tape deck door.

⑬ **Tape deck**

⑭ **BASS/TREBLE (+ −)**
– Selects a desired BASS (low tone) or TREBLE (high tone) level.

⑮ **MASTER VOLUME (VOL + −)**
– Adjusts the volume level.

⑯ **CLOCK**
– Switches to clock display mode or enter clock setting mode.

⑰ **DIM**
– Selects different levels of brightness for display panel.

⑱ **OPEN/CLOSE ▲**
– Opens/closes the disc tray.

Control buttons available on the remote only

⑲ **REPEAT**
– Repeats a track/disc/all programmed tracks.

⑳ **TAPE A/R**
– Selects the desired tape playback modes : one side, both sides or auto replay.

㉑ **|◀ ▶|**
– **MP3:** selects an MP3 title (track.)
– **CD:** selects a track.
– **TUNER:** selects a preset radio station.
– **TAPE:** selects other side of the tape.

㉒ **◀◀ ▶▶**
– **MP3:** selects an album from MP3 disc.
– **CD:** searches backward/forward.
– **TUNER:** tunes the radio frequency up/down.
– **TAPE:** rewind or fast forward.
– **CLOCK:** sets the hours or minutes.

㉓ **TIMER**
– Displays the timer setting or enter timer setting mode.

㉔ **INC. SURR.**
– Turns on/off the incredible surround sound effect.

㉕ **MUTE**
– Mutes or restores the volume.

㉖ **SLEEP**
– Sets the sleep timer function.

㉗ **SNOOZE**
– Temporarily deactivate the wake up timer.

㉘ **TIMER ON/OFF**
– Turns on/off timer function.

㉙ **NATURAL**
– Selects flat sound effect.

㉚ **DISPLAY**
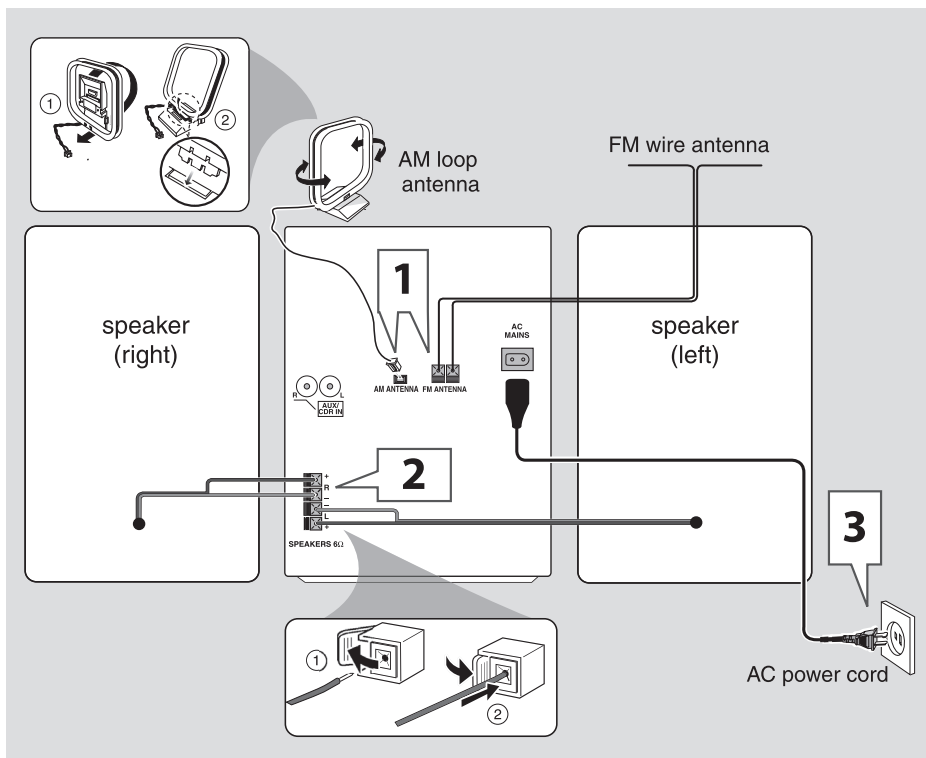– Displays the album and title name for MP3 disc.

㉛ **PROGRAM**
– **CD:** starts or confirms tracks programming.
– **TUNER:** starts *automatic/manual preset programming.
– **CLOCK:** selects 12- or 24-hour clock display.

㉜ **SHUFFLE**
– Turns on/off random play mode.

㉝ **⏻**
– Switches to Eco Power standby mode.
– *Switches to standby mode.

= Press and hold the button for more than two seconds.

Connections

AM loop antenna

FM wire antenna

speaker (right)

speaker (left)

AC MAINS

AM ANTENNA FM ANTENNA

R
AUX/
CDR IN

SPEAKERS 6Ω

AC power cord

WARNING!
– Use only the supplied speakers.
The combination of the main unit and
speakers provide the best sound.
Using other speakers can damage the
unit and sound quality will be negatively
affected.
– Never make or change connections
with the power switched on.
– Connect the AC power cord to the
power outlet only after you have finished
hooking up everything.

Step 1: Connecting FM/AM antennas

– Place the AM loop antenna on a shelf or attach it to a stand or wall.
– Extend the FM antenna and fix its ends to the wall.
– Adjust the position of the antennas for optimal reception.
– Position the antennas as far as possible from a TV, VCR or other radiation source to prevent unwanted noise.
– For better FM stereo reception, connect external FM antenna.

Step 2:   Connecting the speakers

Connect the speaker wires to the SPEAKERS terminals, right speaker to "**R**" and left speaker to "**L**," colored (marked) wire to "**+**" and black (unmarked) wire to "**–**." Fully insert the stripped portion of the speaker wire into the terminal as shown.

Helpful Hints:
– Ensure that the speaker cables are correctly connected. Improper connections may damage the system due to short-circuit.
*– Do not connect more than one speaker to any one pair of **+** / **–** speaker terminals.*

Step 3:   Connecting the AC power cord

"`AUTO INSTALL – PRESS PLAY`" may appear on the display panel when the AC power cord is plugged into the power outlet for the first time. Press ▶️**II** on the main unit to store all available radio stations or press ■ to exit (refer to ''**Tuner Operations**''.)

Step 4:   Inserting batteries into the remote control
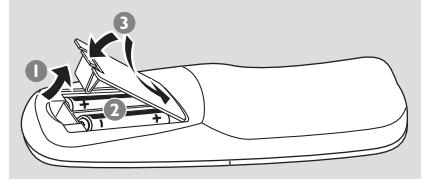
① Open the battery compartment cover.

② Insert two batteries type R06 or AA, following the indications (**+ –**) inside the compartment.

③ Close the cover.

Using the remote control to operate the system

① Aim the remote control directly at the remote sensor (iR) on the main unit.

② Select the source you wish to control by pressing one of the source select keys on the remote control (for example CD, TUNER.)

③ Then select the desired function (for example ▶️**II**, I◀, ▶I.)

CAUTION!
– Remove batteries if they are exhausted or will not be used for a long time.
– Do not use old and new or different types of batteries in combination.
– Batteries contain chemical substances, so they should be disposed of properly.

Basic Operations

Switching on/off

Switching to an active mode

● Press **CD**, **TUNER**, **TAPE** or **AUX**.

Switching to Eco Power standby mode

● Press ⏻.
  ➔ ECO POWER button lights up.
  ➔ The display screen will go blank.

Switching to standby mode (view clock)

● Press and hold ⏻.
  ➔ The clock appears.
  ➔ While in standby mode, pressing CLOCK button will switch the system to Eco Power standby mode.

Helpful Hint:
– Before switching the system to Eco Power standby or standby mode, make sure you have deactivated the the demonstration mode.

Demonstration mode

If the demonstration mode is active, whenever you switch the system to Eco Power standby or standby mode, it will begin showing the various features offered by the system.
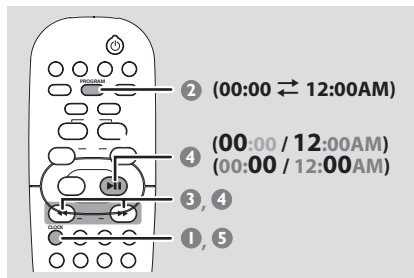
To activate the demonstration

● **In Eco Power standby/standby mode**, press and hold ■ on the main unit until "DEMO ON" appears.

To deactivate the demonstration

● Press and hold ■ on the main unit until "DEMO OFF" appears.

Setting the clock

The clock can be set in either 12-hour or 24-hour mode (" 11:59 **PM**" or "23:59" for example.)

● Press and hold **CLOCK** until the clock time starts flashing.

❷ Press **PROGRAM** repeatedly to change between 12-hour and 24-hour clock mode.

❸ Press ◀◀ or ▶▶ repeatedly to set the hour.

❹ Press ▶❙❙ to change to minutes setting, then press ◀◀ or ▶▶ repeatedly to set the minutes.

❺ Press **CLOCK** again to store the setting.
  ➔ The clock will start working.

To view the clock time in any active mode

● Press **CLOCK once**.
  ➔ The clock is displayed for a few seconds.

Helpful Hints:
– The clock setting will be erased when the system is disconnected from the power supply.
– The system will exit clock setting mode if no button is pressed within 90 seconds.

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Basic Operations

English

Dimming system's display screen

You can select the desired brightness for the display panel.

● **In any active mode,** press **DIM** repeatedly to select DIM 1, DIM 2, DIM 3 or DIM OFF display.
→ ᴅɪᴍ shows on the display screen, except DIM OFF mode.

Volume control

● Adjust **MASTER VOLUME** (or press **VOL ＋/－** on remote) to increase or decrease the sound level.
→ "ᴠᴏʟ ᴍᴜᴛᴇ" is the minimum volume level and "0 dB" is the maximum volume level.

To switch off the volume temporarily
● Press **MUTE** on the remote.
→ Playback will continue without sound and "ᴍᴜᴛᴇ" appears.
→ To restore the volume, press MUTE again or increase the volume level.

Sound control

Incredible Surround

The Incredible Surround magnifies the virtual distance between the front speakers for an incredibly wide, enveloping, stereo effect.

● Press **INC. SURR.** repeatedly.
→ If activated, **INCREDIBLE SURROUND** shows on the display.
→ If deactivated, "ɪꜱ ᴏꜰꜰ" appears.

Bass/Treble

The BASS (low tone) and TREBLE (high tone) feature enables you to define the sound-processor settings.

● Adjust **BASS** or **TREBLE** (or press **BASS ＋－/TREBLE ＋－** on the remote) repeatedly to select the desired Bass or Treble level.
→ "ʙᴀꜱꜱ ✕✕" or "ᴛʀᴇʙʟᴇ ✕✕" appears.
"✕✕" denotes the level as follows :
   -3 → -2 …→ 0 → 1… → +2 → +3 …

Natural (flat sound)

This feature allows you to temporarily switch off the sound setting (e.g. Incredible Surround - OFF, Bass/Treble setting - 0dB.)

● Press **NATURAL** on the remote.
→ Pressing the same button will restore the previous sound setting.
→ Pressing INC. SURR or BASS/TREBLE button will turn off the natural sound mode.

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Disc Operations

IMPORTANT!
– This system is designed for regular discs. Therefore, do not use any accessories such as disc stabilizer rings or disc treatment sheets, etc., as offered on the market, because they may jam the changer mechanism.
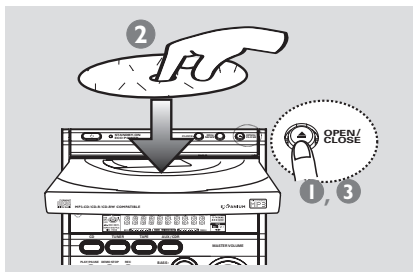**– Do not load more than one disc onto the tray.**

Playable discs

This system is able to play:
– All pre-recorded audio CDs
– All finalized audio CDR and audio CDRW discs
– MP3-CDs (CD-ROMs with MP3 tracks)

Loading disc

1 Press **OPEN/CLOSE** ▲ button to open the disc tray.

2 Load a disc with the label side is facing up. For double-sided discs, load the side you want to play face up.

3 Press **OPEN/CLOSE** ▲ button again to close the disc tray.
→ "READING" is displayed. The total number of tracks and the playing time will appear on the display.

Helpful Hint:
– To ensure good system performance, wait until the disc tray completely read the disc before proceeding.

Basic playback controls

Unless stated, all operations described are based on Remote Control use.

To start playback
● Press ►II.

To select a desired track
● Press I◄ or ►I repeatedly until the desired track is displayed.
→ During random play (shuffle mode,) pressing I◄ will not affect the current playback.

To search for a particular passage during playback
● Press and hold ◄◄ or ►► and release it when the desired passage is located.
→ During searching, the volume will reduce. For MP3 disc, the volume will mute.
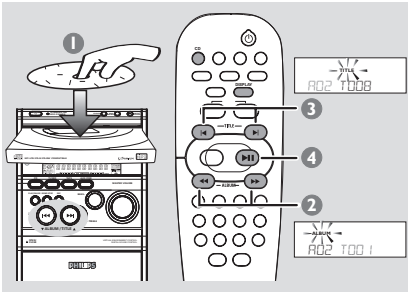
To interrupt playback
● Press ►II.
→ To resume normal playback, repeat the above.

To stop playback
● Press ■ .
→ If the system remains in stop mode for 30 minutes, it will switch to Eco Power standby mode.

Playing an MP3 disc

❶ Load an MP3 disc.
➜ The disc reading time may exceed 10 seconds due to the large number of songs compiled into one disc.
➜ "𝐴𝑥𝑥 𝑇𝑦𝑦𝑦" is displayed. 𝑥𝑥 is the current album number and 𝑦𝑦𝑦 is the current title number.

❷ Press ◀◀ ▶▶ (or press and hold ◀◀ ▶▶ on the system) to select a desired album.

❸ Press ◀ ▶ (or press ◀◀ ▶▶ on the system) to select a desired title.

❹ Press ▶II to start playback.

● During playback, press **DISPLAY** to show the album and title name.

Supported MP3 disc formats:
– ISO9660, Joliet, UDF 1.5
– Maximum title number : 999 (depending on filename length)
– Maximum album number : 99
– Supported sampling frequencies: 32 kHz, 44.1 kHz, 48 kHz
– Supported Bit-rates : 32~256 (kbps), variable bitrates
– ID3 tags : V1.1, V2.2, V2.3, V2.4

Repeat and Shuffle

You can select and change the various play modes before or during playback.

Repeat play

❶ Press **REPEAT** on the remote repeatedly to select :

REPEAT TRACK	REPEAT DISC	PROG REPEAT TRACK	PROG REPEAT
Ⓐ	Ⓑ	Ⓒ	Ⓓ

Ⓐ – to repeat playback of the current track.
Ⓑ – to repeat playback of the current disc.
Ⓒ – to repeat playback of the current programmed track (only if the program mode is active)
Ⓓ – to repeat playback of all the programmed tracks (only if the program mode is active)

❷ To resume normal playback, press **REPEAT** until "𝘖𝘍𝘍" appears.

Random play

● Press **SHUFFLE** on the remote to turn on/off the shuffling mode.
➜ If activated, **SHUFFLE** shows on the display and the repeat mode (if any) will be cancelled.
➜ If programme mode is active, only the programmed tracks will be played in random order.

Helpful Hint:
– Pressing the OPEN/CLOSE button will cancel all repeat and shuffling modes.

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Disc Operations

Programming the disc tracks

Programming tracks is possible when playback is stopped. Up to 99 tracks can be stored in the memory in any order.
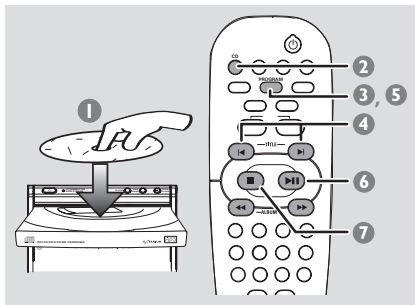
❶ Load the desired disc on the disc tray (refer to "**Loading disc**".)

❷ Press **CD** to select a disc.

❸ Press **PROGRAM** to start programming.
➜ **PROG** starts flashing.

❹ Press |◀ or ▶| repeatedly to select the desired track.

● For MP3 disc, press ◀◀ / ▶▶ and |◀ / ▶| to select the desired album and title for programming.

❺ Press **PROGRAM** to store.

● Repeat *steps 4~5* to select other tracks.
➜ If you attempt to program more than 99 tracks, "*PROGRAM FULL*" appears.

❻ To start program play, press ▶ II

❼ To stop playback or to end the programming, press ■ **once**.
➜ **PROG** stays and the program mode remains active.

Helpful Hints:
– If the total playing time reached 100 minutes or if one of the programmed tracks has a number greater than 30, then "-- --:-- --" will appear instead of the total playing time.
– The system will exit programming mode if no button is pressed within 20 seconds.

Checking the program

❶ Stop playback and press |◀ or ▶| repeatedly.

❷ Press ▶ II to start playback from the current programmed track.

Clearing the program

● Stop playback, then press ■ to clear the program.
OR

Press the **OPEN/CLOSE ▲** button of the disc tray.
➜ **PROG** disappears from the display and "*PROGRAM CLEARED*" appears.

Helpful Hint:
– If the system is disconnected from the power supply or you switch to other source mode, the program will be erased.

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IMPORTANT!
Make sure the FM and AM antennas are connected.

Tuning to radio stations

1 Press **TUNER** to enter tuner mode.
To select another waveband (FM or AM,)
press **TUNER** again.

2 Press and hold ◀◀ or ▶▶ until the frequency
indication starts to change, then release.
➜ The system automatically tunes to the next
strong signal radio reception.
➜ ∞ lights up for FM stereo reception.

For tuning to a weak signal station
● Press ◀◀ or ▶▶ briefly and repeatedly until an
optimal reception is found.

Presetting radio stations

You can store up to 40 preset radio stations in
the memory, starting from FM and followed by
AM bands.

Helpful Hints:
*– The system will exit presetting mode if no button
is pressed within 20 seconds.*
*– If no stereo frequency is detected during Plug
and Play, "*`CHECK ANTENNA`*" appears.*

Plug and Play allows you to store all available
radio stations automatically.
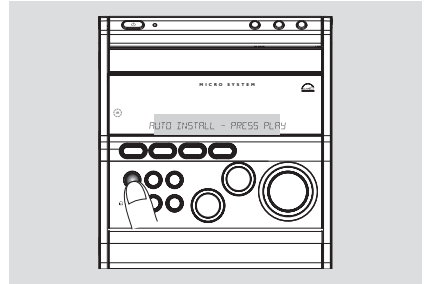
1 Connect the system to the power supply,
"`AUTO INSTALL – PRESS PLAY`" appears.
OR

In Eco Power standby/standby mode,
press and hold ▶II on the main unit until
"`AUTO INSTALL – PRESS PLAY`" appears.

2 Press ▶II on the main unit to start
installation.
➜ "`INSTALL TUNER AUTO`" appears.
➜ All previously stored radio stations will be
replaced.
➜ Once completed, the last tuned radio station
will play.

Tuner Operations

Automatic presetting

You can start the automatic presetting from a selected preset number.

1 In tuner mode, press |◀ or ▶| to select a preset number.

2 Press and hold **PROGRAM** until "*AUTO*" appears.

→ If a radio station is stored in one of the presets, the same radio station will not store under another preset number.

→ If no preset number is selected, automatic preset will begin from preset (1) and all your former presets will be overridden.

Manual presetting

You can choose to store only the favorite radio stations.

1 Tune to your desired radio station (refer to "**Tuning to radio stations**".)

2 Press **PROGRAM**.

→ The preset number starts flashing. If you want to store the radio station in another preset number, press |◀ or ▶|.

3 Press **PROGRAM** again to store.

● Repeat *steps 1~3* to store other radio stations.

Selecting a preset radio station

● In tuner mode, press |◀ or ▶|.

→ The preset number, radio frequency, and waveband will appear.

Deleting a preset radio station

● Press and hold ■ until "*PRESET DELETED*" appears.

→ The current preset radio station will be deleted.

→ All other preset radio stations with higher numbers are decreased by one.

IMPORTANT!
– Before playing a tape, check and tighten slack tape with a pencil. Slack tape may get jammed or may burst in the mechanism.
– C-120 tape is extremely thin and is easily deformed or damaged. It is not recommended for use in this system.
– Store the tapes at room temperature and do not put them too close to a magnetic field (for example, a transformer, TV or speaker.)

Playing a tape

1 Press **TAPE** to select tape mode.

2 Press **OPEN/CLOSE** ⏏ to open the tape deck door.

3 Insert a recorded tape and close the tape deck door.
→ Load the tape with the open side downward and full spool to the left.
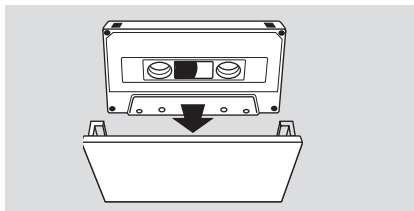
4 Press ▶II to start playback.

To change the playback side
● Press I◀ or ▶I on the remote.
→ During playback, you can press ▶II on the system to change the playback side.
→ ◀ (BACK) or ▶ (FRONT) appears on the display, depending on the tape side selected.

To change the playback mode
● Press **TAPE A/R** on the remote repeatedly to select the different playback modes.
  ⊐ : playback on one side of the tape only.
  ⊐⊃ : both sides are played once.
  ⊂⊃ : both sides are played repeatedly, up to 10 times each side unless you press ■.

To rewind or fast forward
1 Stop playback, then press ◀◀ / ▶▶ on the remote.

2 Press ■ when you reached the desired passage.
→ The tape will stop automatically at the end of rewinding or fast forwarding.

To stop playback
● Press ■.

Helpful Hint:
– During rewinding or fast forwarding of a tape, it is also possible to select another source (CD or TUNER, for example.)

General information on recording

● For recording, use only tape of IEC type I (normal tape.)
● The recording level is set automatically, regardless of the position of the Volume, Incredible Surround, BASS/TREBLE and so forth.
● The tape is secured at both ends with leader tape. At the beginning and end of the tape, nothing will be recorded for six to seven seconds.
● To prevent accidental recording, break out the tab on the left shoulder of the tape side you want to protect.
● If "CHECK TAPE" is displayed, the protection tab has been broken. Put a piece of clear adhesive tape over the opening.
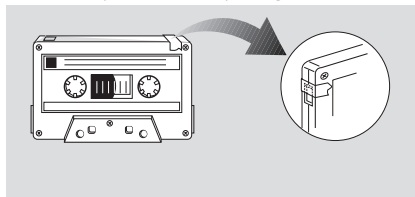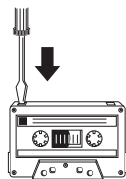
Tape Operations/Recording

IMPORTANT!
Recording is permissible if copyright or other rights of third parties are not infringed upon.

Preparation for recording

❶ Press **TAPE**.

❷ Load a recordable tape into the tape deck.

❸ Press ◀ or ▶ on the remote to select the recording tape side.
➜ ◀ appears on the display for the reverse side.
➜ ▶ appears on the display for the forward side.

❹ Press **TAPE A/R** on the remote repeatedly to select a recording mode.
➜ ⫶ for recording on one side only.
➜ ⫶⊃ for recording on both sides.

❺ Prepare the source to be recorded.
CD – load the disc.
TUNER – tune to the desired radio station.
AUX – connect external equipment.

When recording is in progress
➜ **REC** starts flashing.

● It is not possible to change tape side.

● It is not possible to listen to another source.

● It is not possible to activate the timer function.

One touch recording

❶ Press **CD**, **TUNER** or **AUX** to select the recording source.

❷ Start playback of the selected source.

❸ Press and hold **REC** until **REC** icon starts flashing on the display panel to start recording.

To stop recording
● Press ■ on the system.

Helpful Hint:
– One Touch Recording is not possible in TAPE mode, "SELECT SOURCE" will appear.

CD Synchronized start recording

❶ Press **CD**.

● If you want to start recording from a desired track, press ◀ or ▶.
➜ You can program the tracks in the order you want them to be recorded (refer to "CD Operation - Programming the disc tracks".)

❷ Press and hold **REC** to start recording.
➜ The disc will start playback automatically.

To select another track during recording

❶ Press ▶❚❚ to interrupt recording.

❷ Press ◀ or ▶ to select the desired track.

❸ Press ▶❚❚ to resume recording.

To stop recording
● Press ■.
➜ Recording and disc playback will stop simultaneously.

Timer setting

The system can switch on to CD, TUNER or TAPE mode automatically at a preset time, serving as an alarm to wake you up.

IMPORTANT!

– Before setting the timer, ensure that the clock is set correctly.
– if recording is in progress, the timer function will not be activated.
– The volume of the timer will increase gradually to the last tuned volume level. If the last tuned volume level is too low, the set will then increase to a predetermined minimum audible level.

➋ (CD / TUNER / TAPE)

➍ (00:00 / 12:00AM)
(00:00 / 12:00AM)

➌, ➍

➊, ➎
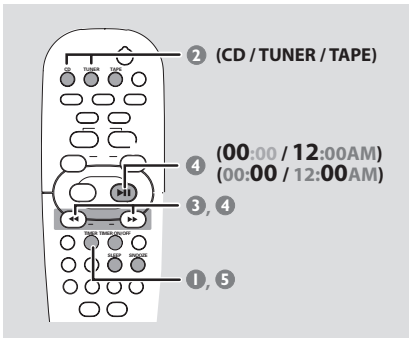
➊ Press **TIMER** on the remote.
→ ☼ icon starts flashing.

➋ Press **CD**, **TUNER** or **TAPE** to select the wake-up source.
→ The selected source will be lighted while other available sources are flashing.

➌ Press ◀◀ or ▶▶ repeatedly to set the hour.

➍ Press ▶II to change to minutes setting, then press ◀◀ or ▶▶ repeatedly to set the minutes.

➎ Press **TIMER** to store the setting.
→ Once the timer is set, it will always switch on unless you deactivate it.
→ ☼ icon remains on the display. It indicates the timer is activated.

● **At the preset time, the selected sound source will be played for 30 minutes before it switches to Eco Power standby mode** (if no button is being pressed within the time frame.)
→ **CD** – playing the first track of the disc. If the disc tray is empty, it will switch to Tuner mode.
→ **TUNER** – playing the last tuned radio station.
→ **TAPE** – playing the tape.

Activating/Deactivating the timer

● Press **TIMER ON/OFF** on the remote to turn off the timer or turn on to the last setting again.
→ If activated, the timer information will display for a few seconds, then the system resumes to the last active source or stays in standby mode.
→ If deactivated, "OFF" appears.

Helpful Hint:
– The system will exit timer setting mode if no button is pressed within 90 seconds.

Checking the timer setting

● Press **TIMER** on the remote.
→ The timer information will display for a few seconds, then the system resumes to the last active source or stays in standby mode.

Temporarily deactivating the wake up timer

You are only able to activate the Snooze function within 30 minutes after the timer wake up from standby mode.

1 After timer wake up, press **SNOOZE** on the remote.
→ The system will switch to standby mode for five minutes. After that, it resumes the timer last selected source again.

2 To cancel the snooze function, press **SNOOZE** again.

Setting the Sleep Timer

The sleep timer enables the system to switch to Eco Power standby mode automatically at a preset time

1 Press **SLEEP** on the remote repeatedly until it reaches the desired preset turn-off time.
→ The selections are as follows (time in minutes:)
   $15 \rightarrow 30 \rightarrow 45 \rightarrow 60 \rightarrow 90 \rightarrow 120 \rightarrow$
   $OFF \rightarrow 15 \ldots$

→ **SLEEP** appears on the display, except if "OFF" is selected.
→ To view or change the setting, repeat the above.

2 Before the system switches to Eco Power standby mode, a countdown of 10 seconds is displayed.
   "SLEEP 10" → "SLEEP 9".... → "SLEEP 1"
   → "SLEEP"

To cancel the sleep timer

● Press **SLEEP** repeatedly until "OFF" appears, or press the **STANDBY ON** (¹) button.

Listening to an external source

You can listen to the sound of the connected external device through your system's speakers.
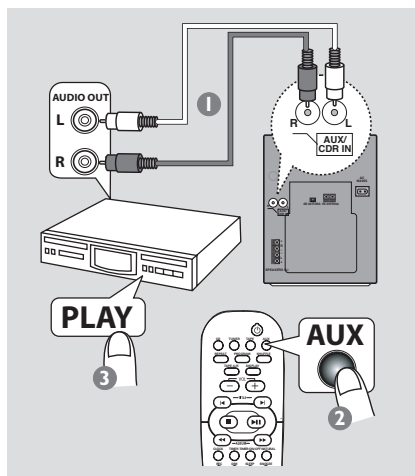
1 Use the red/white audio cables to connect the system's **AUX/CDR IN (R/L)** terminals to the AUDIO OUT terminals on the other audio/visual device (such as a TV, VCR, Laser Disc player, DVD player or CD recorder.)
→ If the connecting device has only a a single audio out terminal, connect it to the AUX/CDR IN left terminal. Alternatively, you can use a "single to double" cinch cable, but the output sounds still remain monaural.

2 Press **AUX** repeatedly.
→ Select "AUX" when connecting to a TV, VCR or Laser Disc player.
→ Select "AUX/CDR" when connecting to a CD recorder or DVD player.

3 Press PLAY on the connected device to start playback.

Helpful Hints:
– All the sound control features (INC SURR, for example) are available for selection.
– Always refer to the owner's manual of the other equipment for complete connection and use details.

Specifications

AMPLIFIER

Output power	
- MCM7	100 W total Power
	2 × 50 W RMS[1]
	2 × 45 W FTC[1]
- MCM8	150 W total Power
	2 × 75 W RMS[1]
	2 × 60 W FTC[1]
Signal-to-noise ratio	≥ 75 dBA (IEC)
Frequency response	50 – 20000 Hz, –3 dB
Input sensitivity	
AUX/CDR In	500 mV/1V
Output	
Speakers	≥ 6 Ω
Headphones	32 Ω – 1000 Ω

(1) (6 Ω, 60 Hz – 12.5 kHz, 10% THD)

DISC PLAYER

Programmable tracks	99
Frequency response	20 – 20000 Hz, –3 dB
Signal-to-noise ratio	≥ 76 dBA
Channel separation	≥ 60 dB (1 kHz)
MPEG 1 Layer 3 (MP3-CD)	MPEG AUDIO
MP3-CD bit rate	32-256 kbps
	(128 kbps advised)
Sampling frequencies	32, 44.1, 48 kHz

TUNER

FM wave range	87.5 – 108 MHz
AM wave range	530 – 1700 kHz
Number of presets	40
Antenna	
FM	300 Ω dipole wire
AM	Loop antenna

TAPE PLAYER

Frequency response	
CrO$_2$ tape (type II)	80 – 12500 Hz, –8 dB
Normal tape (type I)	80 – 12500 Hz, –8 dB
Signal-to-noise ratio	
CrO$_2$ tape (type II)	≥ 50 dBA
Normal tape (type I)	≥ 47 dBA
Wow and flutter	≤ 0.4% DIN

SPEAKERS

System	2 way, Bass reflex
Impedance	6 Ω
Woofer	1 × 5.25" Aluminium con woofer
Tweeter (MCM7)	2" Ferro Fluid Cone Dome tweeter
Tweeter (MCM8)	Ribbon tweeter
Dimensions (w × h × d)	
- MCM7	175 × 254 × 215 (mm)
	6.89 × 10.0 × 8.46 (inches)
- MCM8	175 × 254 × 196 (mm)
	6.89 × 10.0 × 7.72 (inches)
Weight	
- MCM7	3 kg / 6.6 pounds each
- MCM8	3.1 kg each
	6.82 pounds each

GENERAL

Material/finish	Polystyrene/Metal
AC Power	120 V / 60 Hz
Power Consumption	
Active- MCM7	80 W
- MCM8	60 W
Standby	< 15 W
Eco Power Standby	< 0.6 W
Dimensions (w × h × d)	175 × 252 × 350 (mm)
	6.89 × 9.92 × 13.78 (inches)
Weight (without speakers)	5.0 kg / 11 pounds

Specifications and external appearance are subject to change without notice.

Troubleshooting

WARNING
Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer or call 1800-531-0039 for help.

Problem	Solution
Radio reception is poor.	✔ If the signal is too weak, adjust the antenna or connect an external antenna for better reception. ✔ Increase the distance between the system and your TV or VCR.
"NO DISC" is displayed or the disc cannot be played.	✔ Insert a disc. ✔ Load in the disc with label facing up. ✔ Replace or clean the disc, see "Care and safety information." ✔ Use a finalized CD-R(W) or a correct format disc.
The system does not react when buttons are pressed.	✔ Remove and reconnect the AC power cord and switch on the system again.
Recording or playback cannot be made.	✔ Use only NORMAL (IEC I) tape. ✔ Apply a piece of adhesive tape over the missing tab space.
The tape deck door cannot open.	✔ Remove and reconnect the AC power plug and switch on the system again.
Sound cannot be heard or is of poor quality.	✔ Adjust the volume. ✔ Disconnect the headphones. ✔ Check that the speakers are connected correctly. ✔ Check that the AC power cord is connected properly.
The remote control does not function properly.	✔ Select the source (CD or TUNER, for example) before pressing the function button (▶ II, ◀◀ ▶▶!) ✔ Reduce the distance between the remote control and the system. ✔ Replace the battery. ✔ Point the remote control directly toward the IR sensor.
The timer is not working.	✔ Set the clock correctly. ✔ Press TIMER ON/OFF to switch on the timer. ✔ If recording is in progress, stop the recording.
The system displays features automatically and buttons start flashing.	✔ Press and hold DEMO STOP on the main unit to switch off the demonstration mode.

LIMITED WARRANTY

AUDIO SYSTEM
One Year Free Labor
One Year Free Service on Parts
This product must be carried in for repair.

WHO IS COVERED?
You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?
Warranty coverage begins the day you buy your product. For one year thereafter, all parts will be repaired or replaced, and labor is free. After one year from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.
All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?
Your warranty does not cover:
• labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
• product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips.
• reception problems caused by signal conditions or cable or antenna systems outside the unit.
• a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
• incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
• a product that is used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?
Warranty service is available in all countries where the product is officially distributed by Philips. In countries where Philips does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...
Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...
Please check your owner's manual for assistance. If you have additional questions, call us at 1-800-531-0039.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...
Take the product to a Philips factory service center (see enclosed list) or authorized service center for repair. When the product has been repaired, you must pick up the unit at the center. Centers may keep defective parts.
(In U.S.A., Puerto Rico, and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

TO GET WARRANTY SERVICE IN CANADA...
Please contact Philips at:

1-800-661-6162 (French Speaking)
1-800-531-0039 (English or Spanish Speaking)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...
Please record below the model and serial numbers found on the product. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips, P.O. Box 520890, Miami, FL 33152, USA, (402) 536-4171

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